

STOKESLEY *so*  
RURAL DISTRICT COUNCIL.

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MEDICAL OFFICER'S ANNUAL REPORT FOR  
THE YEAR 1902.

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## STOKESLEY RURAL DISTRICT COUNCIL.

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### MEDICAL OFFICER'S ANNUAL REPORT FOR THE YEAR 1902.

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MR. CHAIRMAN AND GENTLEMEN,

I have the pleasure to submit to you my annual report on the mortality and sanitary condition of your District for the year 1902.

There have been 294 births registered during the year against 268 in 1901, giving a birthrate of 26.11 per 1,000. The average, as shown by Table I. is 26.12 per 1,000. The births consist of 134 boys and 160 girls. The number of births at Ayton, Yarm, and Hutton, is above the average for the last ten years; at Stokesley and remainder of the District below; and at Whorlton and Broughton practically equal to the average.

During the year there have been 174 deaths registered in the District against 161 the previous year. One death belonging to this District occurred at Darlington Workhouse, making the correct total for the year 175 against 164 and giving a deathrate of 15.54 per 1,000. The death-rate for the last ten years is 15.92 per 1,000. Of the deaths registered in the District, 96 were males and 78 females.

The deaths have thus been distributed over the District according to the corrected list:

Stokesley	...	...	28,	giving a death-rate of 17.05 per 1,000.	
Great Ayton	...	...	28,	„	16.72 „
Yarm	...	...	32,	„	19.91 „
Broughton	...	...	13,	„	27.02 „
Hutton	...	...	15,	„	17.62 „
Whorlton	...	...	6,	„	13.98 „
Remainder of the District	...	53,	„	„	11.58 „

Table II. shows that there is a decrease in the number of deaths in the remainder of the district; at Whorlton, Ayton, and Stokesley, it is equal to, but at Broughton, Hutton, and Yarm it is above, the average for the last ten years. There is nothing in the causes of death to account for the high death-rate at Broughton.

There have been four deaths from Zymotic diseases which have to be notified, namely, three from scarlet fever, and one from diphtheria against five in the previous year. Two of the cases of scarlet fever belonged to Stokesley and one to Seamer. The case of diphtheria belonged to Yarm.

On examining Table IV. you will notice there have been six deaths from epidemic influenza, ten from phthisis, four from other tuberculous diseases, thirteen from cancer, twenty-nine from disease of the respiratory organs, two from alcoholism, and twenty-two from heart disease. There have been four accidents and two suicides. There is an increase in the deaths from phthisis and cancer.

The deaths in the district have occurred at the subjoined ages:—

			At all ages.	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards
Stokesley	...	...	28	2	1	3	...	6	16
Great Ayton	...	...	28	5	2	1	1	11	8
Yarm	...	...	32	9	2	1	2	10	8
Broughton	...	...	13	1	1	...	2	5	4
Hutton	...	...	15	3	2	2	...	3	5
Whorlton	...	...	6	...	1	...	...	...	5
Remainder of the District	...	...	53	5	1	4	2	16	25
Total	...	...	175	25	10	11	7	51	71
In 1901 ...	...	...	164	24	13	5	6	46	70
In 1900 ...	...	...	183	29	16	7	5	48	78

There have been 25 deaths under 1 year old, giving a death-rate of 85.03 per thousand births registered, the smallest there has been for over ten years. Only one was due to premature birth but several were due to debility from birth.

### Zymotic Diseases.

There have been notified during the past year as you perceive by Table III., 138 cases against 94 in 1901. They consist of :

122 cases of scarlet fever, viz.: 73 at Stokesley, 10 at Hilton, 4 at Yarm, 2 at Great Ayton, 1 at Trenholme, 8 at Seamer, 4 at Crathorne, 10 at Newby, 3 at Kirby, 1 at Busby, 2 at Bilsdale, 3 at Carlton, 1 at Tanton.

5 cases of diphtheria at Yarm.

2 cases of typhoid : 1 at Hutton and 1 at Yarm.

8 cases of erysipelas : 1 at Hutton, 1 at Low Worsall, 1 at Seamer, 1 at Kirby, 3 at Bilsdale, and 1 at Broughton.

The outbreak at Stokesley, of scarlet fever, was undoubtedly due to a child bringing the infection from another district. The child died, and people went into the house before the funeral and before the house was properly disinfected, and thus the disease was spread.

The outbreak, on the whole, was of a mild form, and in my opinion there must have been some cases unreported, probably through the ignorance of the parents. It was also spread from people going into infected houses; also, there is no doubt infected people were out in the streets, but no one would give evidence in court so as to lead to a conviction.

Unfortunately at the commencement of the outbreak it was impossible to get the cases into Stockton Infectious Hospital; towards the end we managed to get some into the Middlesbrough one. This helped greatly to lessen the spread of the disease, and I think you ought to make arrangements to send away every case as there is hardly a house in the district in which a case can be properly isolated, so as to protect the other inmates of the house and also the general public, besides which, it is hardly possible to make people understand what isolation and disinfection mean and to carry it out properly. They often use plenty of disinfectants and think that ordinary cleanliness does not matter. If people think they have to pay for sending their children to a hospital, they will keep them at home and there will be a centre or centres of infection altogether uncontrolled by trained superintendents. Directions as a rule are no good. Some cases in Stokesley were due to clothes coming out of an infected house to be washed, without any previous treatment. In other cases it was probably spread by notes, letters and books from the sickroom, the people thinking there was no danger in sending or receiving them. An outbreak like the one that has occurred this year at Stokesley, in 1901 at Hutton, in 1900 at Yarm, interferes with the business of the places, and what is equally important, the education of the children; besides the permanent injury to health that it may leave behind, shows the importance of having an isolation hospital, that each case can be sent to. The value of removing cases to the hospital was well proved by the three cases from Carlton removed from a dirty house with no isolation accommodation, no other case having occurred in the village. I have not the slightest doubt if they had remained at home there would have been more cases. I have often noticed that people who have a case of sickness in the house are pleased if their neighbours have the same disease.

The outbreak of diphtheria at Yarm was due to the dirty surroundings. The people relying on disinfectants, not cleanliness.

In all infectious cases your inspector has been most diligent in disinfecting the premises and supplying the people with disinfectants to use. Often I am afraid his efforts have been rendered futile by people removing things from the infected rooms before his visit.

## **Water.**

The water supply of the district is almost entirely from pumps and, except for its hardness, is of good quality, though in many instances it is not convenient, as it has to be carried a fair distance and makes the people use it too carefully. A water-supply for each house would be a great sanitary improvement.

At Hutton, the East End Well pump has been fitted with a new case. Owing to the dry season the spring has been slow in supplying the pump with water. In order to remedy this, negotiations with Dr. Hopgood have been opened for a supply from Crow Bank dip-well by means of a pump.

At Kirkleavington, the dip-well in Vicarage lane has been enclosed and a new pump fixed.

At Stokesley, a new case and repairs have been made to the fire engine well pump; also a new case and trough have been supplied to the pump on West Green.

At Great Ayton, the pump on High Green has been repaired and a new trough for waste water fixed.

The public pumps at Ingleby Arncliffe, Faceby, Kirby, Rudby and Carlton have been repaired, and the remaining public pumps in the district have been attended to and kept in working order and a fair supply maintained.

The supply of water for domestic use in Bilsdale is still far from satisfactory, owing to the water running in open channels and being polluted by cattle, dead animals, surface water, &c.

In July, 1901, I wrote a report condemning the water-supply at Halterley, Bilsdale, and High Crossletts, Raisdale. In my annual report for 1901 I mentioned, in addition, the water supply to Mrs. Easby's, Mrs. Garbutt's, Mr. Ainsley's, Mr. L. Dale's, all of Orra; and Mrs. Wass and Mrs. Hugill's, of Ellermire Farm, all in Bilsdale, was unfit for domestic purposes. Nothing has been done to improve the supply: the water is good and sufficient, if it was not polluted.

Water certificates have been granted for new houses as under:—

Four cottages of Mr. Dorman's, at Nunthorpe, from private waterworks.

To Lord Feversham, for new house at Orra, in Bilsdale, by pipe from spring.

To Mr. Wm. Hall, for new house at Springfield, Stokesley, from well and pump on the premises.

To Mr. J. W. G. Sherwood, for new house at West End, Hutton, from well and pump on the premises.

To H. & J. Bainbridge, for new house, Temperance Hall, Hutton, from the north end public pump.

## **Drainage.**

The sewers and drains have had careful attention during the year, and they have been considerably improved: at the same time it is only patchy-work, as the drains are all old and not arranged on a scientific principle. The pipes are often field pipes, (a source of great danger to the water supply, which I have pointed out consists of pumps and wells,) the joints, as a rule, are not sound, the fall in parts not sufficient, there is no ventilation, and the flushing is done by thunderstorms.

At Kirkleavington part of the old sewer has been cleaned and relaid.

At Seamer, the sewer at the west entrance has been relaid with sanitary pipes and extended. Nothing has been done at the south end where the sewage from R. Auton's farm buildings accumulates by the side of the highway.

At Swainby the sewers at the back of New Row have had to be cleared with rods across the highway.

At Yarm, in Bentley's Wynd, the sewer has been cleaned, repaired and relaid, below the Police Station. Stainsby yard has been redrained, new gullies and grates fixed: the yard has been repaved and the privies and ash-pits re-modelled.

At Stokesley the west entrance sewer has been relaid with sanitary pipes and the connections made good.

At Great Ayton a new branch flushing drain from the main sewer has been laid to the dead end inspection chamber, near the pinfold, with man-hole and valve chamber, doing away with water cart flushing.

At Low Worsall the sewage accumulation by the side of the highway from Far End Farm has been drained.

## **Scavenging.**

The scavenging at Yarm and Stokesley has been done satisfactorily. The scavengers complain of the large quantity of non-manurial matter they have to cart away, e.g., pots, pans, tins, glass, &c., and the difficulty they have of disposing of it.

In other parts of the district the people make private arrangements to get rid of their house refuse, and it gives satisfaction.

The number of w.c.'s are increasing in the district, but they are not satisfactory, on account of the want of water supply and the condition of the drains.

Some of the houses in the yards at Yarm and Stokesley have not sufficient air space round them.

The following plans have been passed:—

Messrs. H. & J. Bainbridge, for seven cottages in Mustard Garth, North End, Hutton.

Mr. A. B. Wilson, for stables at Enterpen.

Mr. Norman Honeyman, for new houses at the North Side, Hutton.

Mr. Sherwood, for cowbyre at West End, Hutton.

Mr. T. Sadler, for new house at Great Broughton.

Mr. Naitby, for new house in Kirby Lane, Great Broughton.

Mr. Dodsworth, for tea room at Great Ayton.

Mr. J. B. Hodgkin, for two new cottages near the Railway Station, Great Ayton.

Yarm Burial Board, per Mr. J. R. Clapham, for new chapel in burial ground.

## **Provisions.**

No special action has been necessary under this head. All the fruit, vegetables, fish, meat, &c., inspected have been satisfactory.

The cowsheds, slaughter houses and workshops have been inspected and found satisfactory. Your inspector has found it difficult to discover all the people who sell three or four loaves of bread a week.

Houses unfit for habitation have been reported in Scugdale and Stokesley.

The common lodging houses in Stokesley and Yarm have been kept clean and in good order. The house in Stokesley was closed for a while on account of a case of scarlet fever in the family.

This, Gentlemen, concludes my report, which I hope is satisfactory.

I have the honour to remain, Gentlemen,

Your obedient Servant,

WM. M. YEOMAN,

M. O. H.

TABLE 1.  
Vital Statistics of Whole District During 1902 and Previous Years.  
District of Stokesley Rural District Council.

YEAR.	Population estimated to middle of each year.	BIRTHS.				TOTAL DEATHS REGISTERED IN THE DISTRICT.				Deaths of Residents registered in Public Institutions in the District.				Deaths of Non-residents registered in Public Institutions beyond the District.				NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.			
		Under 1 Year of Age.		At all Ages.		Rate per 1000 Births registered.		Number.		Rate.*		Number.		Rate.*		Number.		Rate.*			
		Number.	Rate.*	Number.	Rate.*	Number.	Rate.	Number.	Rate.	Number.	Rate.	Number.	Rate.	Number.	Rate.	Number.	Rate.				
1892	11119	322	28.95	29	90.06	177	15.91	7	...	...	...	177	15.91	...	...	...	...				
1893	11119	308	27.70	36	116.88	186	16.63	11	...	...	...	186	16.63	...	...	...	...				
1894	11119	312	27.16	31	99.36	177	15.82	5	...	...	...	177	15.82	...	...	...	...				
1895	11119	289	25.99	37	128.02	176	15.82	7	2	...	...	174	15.64	...	...	...	...				
1896	11119	278	25.00	35	122.3	173	15.55	12	1	1	1	173	15.55	...	...	...	...				
1897	11119	309	27.78	35	113.27	186	16.72	6	...	...	...	186	16.72	...	...	...	...				
1898	11119	287	25.81	30	101.53	181	16.27	4	...	...	1	182	16.36	...	...	...	...				
1899	11119	274	26.54	41	149.63	170	15.28	3	...	...	1	171	15.38	...	...	...	...				
1900	11119	261	23.47	29	114.94	183	16.45	6	...	...	1	184	16.54	...	...	...	...				
1901	11257	268	23.8	24	89.55	161	14.3	5	...	...	3	164	14.56	...	...	...	...				
<i>Averages for years 1892-1901.</i>		11132.8	290.8	26.12	32.7	112.44	177	15.89	6.6	0.3	0.7	177.4	15.92	...	...	...	...				
1902	11257	294	26.11	25	85.03	174	15.45	1	...	...	1	175	15.54	...	...	...	...				

\* Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water)	83,010 Acres.
Total Population at all ages	11,257, at Census of 1901.
Number of Inhabited Houses	2,520,
Average number of persons per house	"
Institutions outside the District receiving sick and infirm persons from the District	4.11 " Union Workhouse, Darlington.
Other Institutions, the deaths in which have been distributed among the several localities in the district	— Workhouse.

TABLE I.

Vital Statistics of separate Localities in 1902 and previous years  
District of Stokesley Rural District Council.

TABLE III.

Cases of Infectious Disease notified during the Year 1902.  
 District of Stokesley Rural District Council.

Notifiable Disease.	Cases notified in Whole District.					Total Cases notified in each Locality.					No. of Cases removed to Hospital from each Locality.												
	At all Ages.		At Ages—Years.			Stokesley.		Great Ayton.			Broughthorpe.		Whorlton.		Yarm.	Broughthorpe.	Whorlton.		Yarm.	Broughthorpe.	Whorlton.	The Remainder of the District.	
	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 65.	65 and upwards.		Yarm.	Broughthorpe.	Whorlton.		Yarm.	Broughthorpe.	Whorlton.		Yarm.	Broughthorpe.	Whorlton.		Yarm.	Broughthorpe.	Whorlton.	
Small-pox	..	..	..	..	..	..		..	..	..		..	..	..		..	..	..	..	..	..	..	
Cholera	..	..	..	..	..	..		..	..	..		..	..	..		..	..	..	..	..	..	..	
Diphtheria	..	5	..	4	1	..		..	..	..		..	..	..		..	..	..	..	..	..	..	
Membranous croup	..	..	..	..	..	..		..	..	..		..	..	..		..	..	..	..	..	..	..	
Erysipelas	..	8	..	..	1	..		6	1	..		..	..	..		1	1	..	6	..	..	..	
Scarlet Fever	..	122	1	25	76	13		7	..	73	2	4	..	10	..	33	15	..	2	..	..	4	
Typhus Fever	..	..	..	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..	..	
Enteric Fever	..	2	..	..	..	1		1	..	..	..	..	..	..		1	..	..	..	..	..	..	
Relapsing Fever	..	..	..	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..	..	
Continued Fever	..	..	..	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..	..	
Puerperal Fever	..	1	..	..	..	..		..	..	..	..	..	..	..		1	..	..	..	..	..	..	
Plague	..	..	..	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..	..	
Totals ..	..	138	1	29	78	14		15	1	73	2	11	1	12		..	39	15	..	2	..	..	4

STOCKTON OR MIDDLESBROUGH.

ISOLATION HOSPITAL - - -

TABLE IV.

Causes of, and ages at, Death during year 1902.

## District of Stokesley Rural District Council.

CAUSES OF DEATH.	1	DEATHS IN OR BELONGING TO WHOLE DISTRICT AT SUBJOINED AGES.						DEATHS IN OR BELONGING TO LOCALITIES. (AT ALL AGES).						16 Total Deaths in Public Institutions in the District.	
		2 All Ages	3 Under 1 year	4 1 and under 5	5 5 and under 15	6 15 and under 25	7 25 and under 65	8 65 and upwards	9 Stokesley	10 Great Ayton	11 Yarm	12 Broughton	13 Hutton	14 Whorlton	
Scarlet Fever .. .	3	1	..	2	..	..	..	..	2	..	..	..	..	..	..
Diphtheria & membranous croup .. .	1	..	1	..	..	..	..	..	..	1	..	..	..	..	..
Epidemic Influenza .. .	6	..	..	..	..	..	3	3	1	..	3	..	1	..	..
Enteritis .. .	3	2	..	..	..	..	..	1	..	1	2	..	..	..	1
Erysipelas .. .	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..
Phthisis .. .	10	..	..	1	2	7	..	..	2	2	4	1	..	..	3
Other tubercular diseases .. .	4	2	..	1	1	..	..	2	..	1	1	..	..	..	..
Cancer, malignant disease .. .	13	..	..	..	..	..	10	3	4	..	3	1	..	..	5
Bronchitis .. .	8	2	2	..	..	..	..	4	2	2	1	..	1	..	2
Pneumonia .. .	17	3	2	3	..	..	7	2	1	3	3	2	4	..	4
Pleurisy .. .	1	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Other diseases of Respiratory organs .. .	3	1	..	..	..	..	1	1	2	..	..	..	..	..	1
Alcoholism: Chirrosis of liver ..	2	..	..	..	..	..	2	..	..	1	1	..	..	..	..
Premature birth .. .	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..
Diseases and accidents of parturition .. .	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Heart diseases .. .	22	..	..	1	1	4	16	3	3	5	1	..	1	9	..
Accidents .. .	4	..	1	1	..	1	1	1	1	1	..	1	..	1	..
Suicides .. .	2	..	..	..	..	..	2	..	..	..	1	..	..	1	..
All other causes .. .	73	13	4	2	3	14	37	9	14	7	5	9	5	24	..
All causes .. .	175	25	10	11	7	51	71	28	28	32	13	15	6	53	1



